

Angular Advanced short recap – day #1



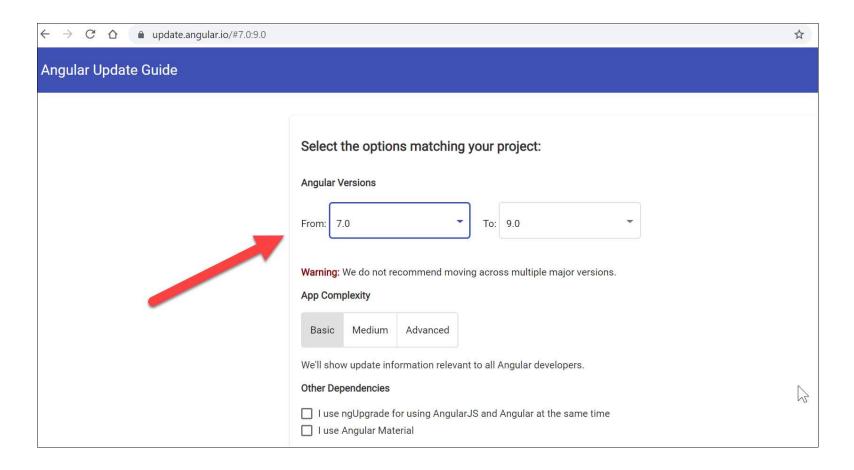
Peter Kassenaar info@kassenaar.com

Recap day 1: Architecture

- Angular CLI general Architecture
 - Flags, Components, Services, Modules.
- NG applications with multiple modules
 - Using multiple modules in your app
 - Modules and the router
- Lazy loading modules
 - PreloadAllModules
 - Custom Loading strategies
 - Multiple / Nested router outlets
- Content projection

On ng update

DON'T try to update over major versions (e.g. from NG 7 → NG 9)



https://update.angular.io/

Configuring the router

```
let routerConfig: ExtraOptions = {
  enableTracing: true
  preloadingStrategy: PreloadAllModules
};

@NgModule({
  imports: [RouterModule.forRoot(routes, routerConfig)],
  exports: [RouterModule]
})
```

Routing events are actually Observables.

Which means we can subscribe! And do something like:

```
this.router.events
    .subscribe(event =>{
      console.log(' router event: ', event);
})
```

(Don't forget to inject router:

```
constructor(private router: Router) { })
```

Or, in a more reactive way of programming:

```
this.router.events.pipe(
    filter(event => event instanceof NavigationEnd),
    map(...),
    ....
).subscribe(event => {
        console.log(' router event: ', event)
});
```

Handle events as desired - logging, setting variables, updating state, ...

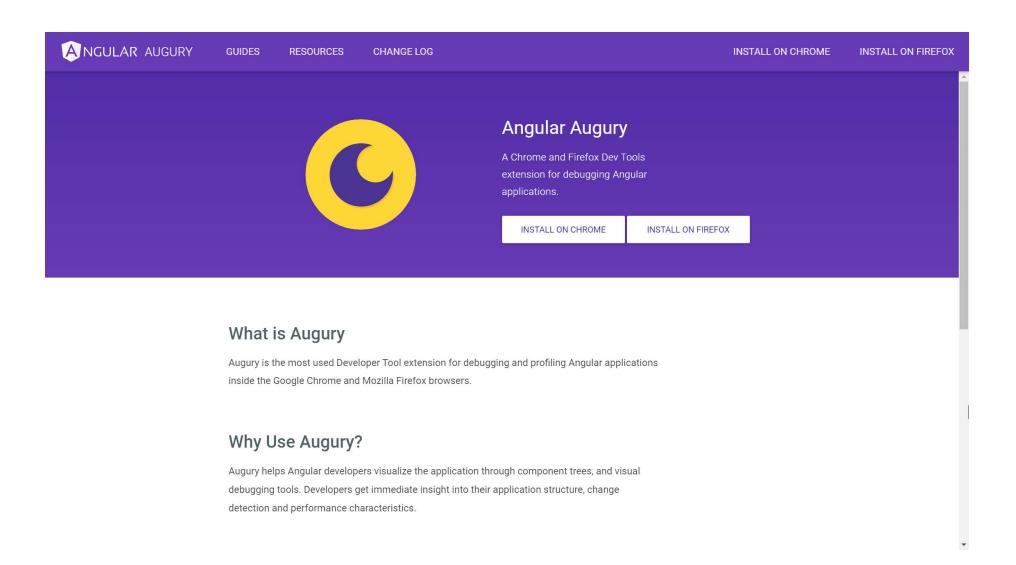
Dynamically adding routes?

- Using router.resetConfig() seems to be the solution...
- Official documentation: <u>https://angular.io/api/router/Router#resetConfig</u>
- Stack Overflow: <u>https://stackoverflow.com/questions/37756167/dynamic-routing-based-on-external-data</u>
- Medium: https://medium.com/@DenysVuika/dynamic-routes-with-angular-6fda03b7fa2c

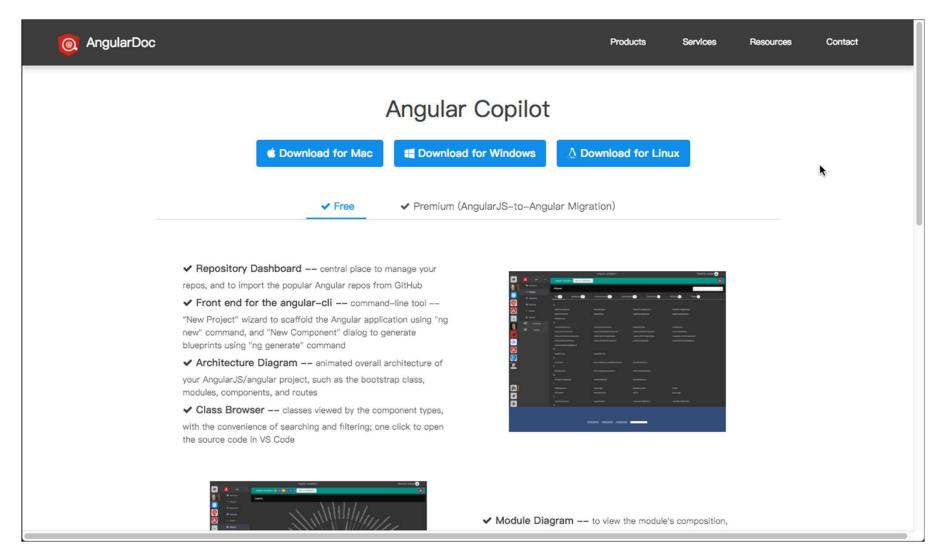
Analyzing Angular Applications

- Dynamic Analysis
 - Run your application, analyze in the browser
 - Angular Augury
 - https://augury.rangle.io/
- Static Analysis
 - Npm install your application, analyze without running
 - Angular Copilot
 - https://angulardoc.github.io/#/products

Augury – Chrome Extension

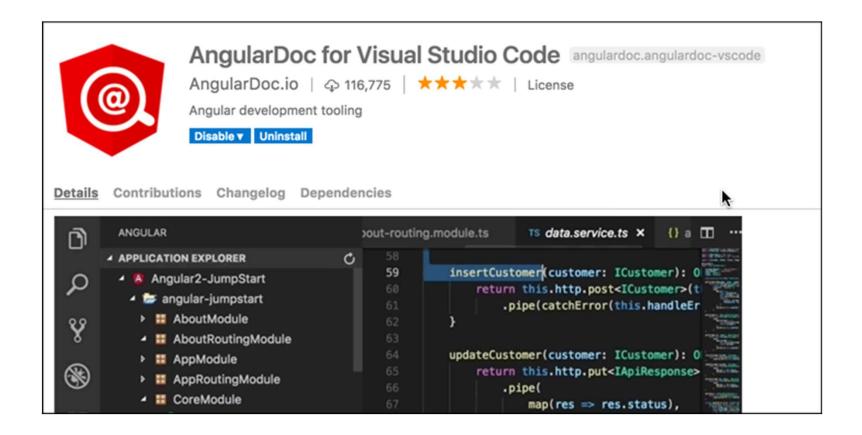


Angular Copilot



Analyzing Angular Applications in VS Code

- AngularDoc/Copilot for Visual Studio Code
- https://marketplace.visualstudio.com/items?itemName=AngularDoc.a ngulardoc-vscode



Agenda - 3 days - Thematic



- Day 1: Architecture
 - Composing Applications with multiple modules
 - •
- Day 2: Store & Observables
 - Introduction @ngrx/store
 - Concepts, State, Action, Reducer, Dispatcher, Effect, Http
 - The observable design pattern?
 - Observables from scratch, RxJS-operators
 - Examples (typeahead, fetching data from multiple sources)

Next up

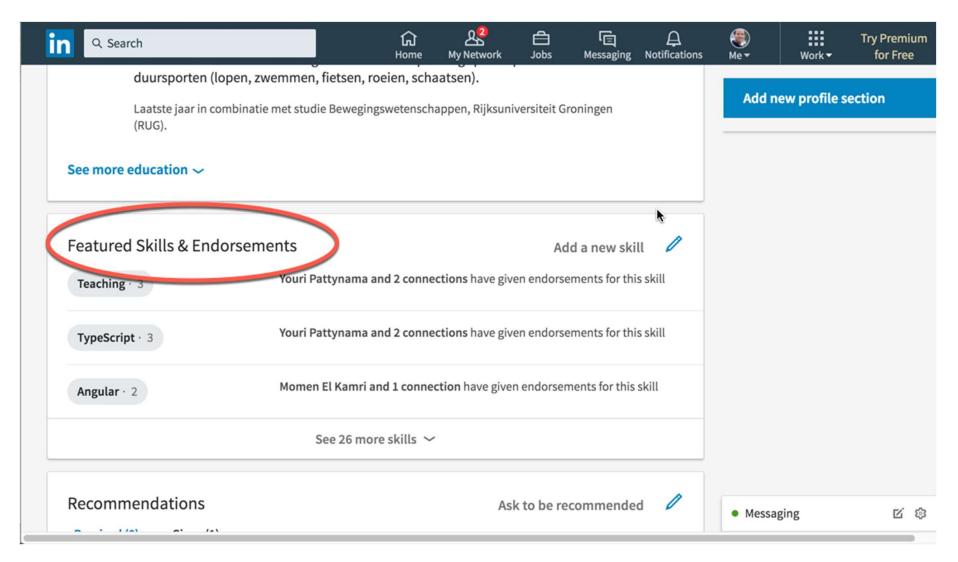
- Day 3: Miscellaneous
- Design pattern: smart components/view components
- Unit Testing w/ Karma & Jasmine, Cypress as alternative
- Angular Enterprise applications monorepo....or not
- Creating and Publishing Angular Libraries [to NPM]
- More on Angular Schematics
- Q & A

•

Evaluatie



Let's connect...



https://www.linkedin.com/in/peterkassenaar/



www.angulartraining.nl